

'Express Mail Label No.

Page 1 of 5

Docket No.  
FIS9-2001-0168US1

## Declaration and Power of Attorney For Patent Application

### English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARMASK**

the specification of which

(check one)

is attached hereto.

was filed on \_\_\_\_\_ as United States Application No. or PCT International

Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed \_\_\_\_\_

(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

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(Application Serial No.)

(Filing Date)

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(patented, pending, abandoned)

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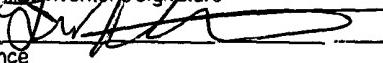
Joseph P. Abate, Registration No. 30,328;  
 Jay H. Anderson, Registration No. 38,371;  
 Ira D. Blecker, Registration No. 29,894;  
 Steven Capella, Registration No. 33,086;  
 Susan M. Murray, Registration No. 38,252;  
 Daryl K. Neff, Registration No. 38,253;  
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Jesse L. Abzug, Registration No. 31,316  
 Eugene I. Shkurko, Registration No. 36,678  
 Harold Huberfeld, Registration No. 26,665  
 Todd M. C. Li, Registration No. 45,554  
 all of INTERNATIONAL BUSINESS MACHINES  
 CORPORATION;  
 John E. Hoel, Registration No. 26,279  
 Christopher A. Hughes, Registration No. 26,914  
 Edward A. Pennington, Registration No. 32,588  
 Joseph C. Redmond, Jr., Registration No. 18,753  
 all of MORGAN & FINNEGAN, L.L.P.

Send Correspondence to: Jay H. Anderson  
 IBM Corporation - Zip 482  
 2070 Route 52  
 Hopewell Junction, NY 12533

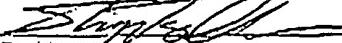
Direct Telephone Calls to: (*name and telephone number*)  
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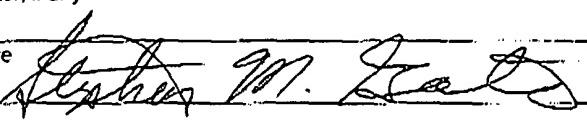
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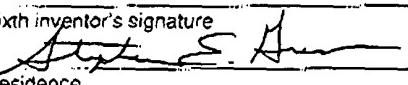
Full name of sole or first inventor	Timothy J. Dalton	
Sole or first inventor's signature	 12/13/01 Date	
Residence	72 Sarah Bishop Road, Ridgefield, CT 06877	
Citizenship	USA	
Post Office Address	72 Sarah Bishop Road, Ridgefield, CT 06877	

Full name of second inventor, if any	Minakshisundaran B. Anand	
Second inventor's signature		
Date		
Residence	19264 Circle Gate Dr. #102, Germantown, MD 20874	
Citizenship	India	
Post Office Address	19264 Circle Gate Dr. #102, Germantown, MD 20874	

Full name of third inventor, if any <b>Michael D. Armac st</b>	Date
Third inventor's signature	
Residence <b>6577 Springpath Lane, San Jose, CA 95120</b>	
Citizenship <b>USA</b>	
Post Office Address <b>6577 Springpath Lane, San Jose, CA 95120</b>	

Full name of fourth inventor, if any <b>Shyng-Tsong Chen</b>	Date
Fourth inventor's signature 	<i>12/07/2001</i>
Residence <b>111 Cornwall Meadows, Patterson, NY 12563</b>	
Citizenship <b>USA</b>	
Post Office Address <b>111 Cornwall Meadows, Patterson, NY 12563</b>	

Full name of fifth inventor, if any <b>Stephen M. Gates</b>	Date
Fifth inventor's signature 	<i>12/10/01</i>
Residence <b>22 Inningwood Road, Ossining, NY 10562</b>	
Citizenship <b>USA</b>	
Post Office Address <b>22 Inningwood Road, Ossining, NY 10562</b>	

Full name of sixth inventor, if any <b>Stephen E. Greco</b>	Date
Sixth inventor's signature 	<i>12-13-01</i>
Residence <b>77 Harden Drive, LaGrangeville, NY 12540</b>	
Citizenship <b>USA</b>	
Post Office Address <b>77 Harden Drive, LaGrangeville, NY 12540</b>	

Full name of seventh inventor, if any <b>Simon M. Karecki (deceased), by Anna Karecki (administratrix)</b>	Date
Seventh inventor's signature	
Residence <b>152 Monitor Street, Apt. 3L, Brooklyn, NY 11222</b>	
Citizenship <b>USA</b>	
Post Office Address <b>152 Monitor Street, Apt. 3L, Brooklyn, NY 11222</b>	

Full name of eighth inventor, if any <b>Satyana Rayana V. Nitta</b>	Date
Eighth inventor's signature <i>N. Nitta</i>	<i>12/11/01</i>
Residence <b>118 Roosevelt Drive, Poughquag, NY 12570</b>	
Citizenship <b>India</b>	
Post Office Address <b>118 Roosevelt Drive, Poughquag, NY 12570</b>	

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Post Office Address	

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**Jay H. Anderson, Reg. No. 38,371, (845)894-3667**

Full name of sole or first inventor <b>Timothy J. Dalton</b>	Date
Sole or first inventor's signature	
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Citizenship <b>USA</b>	
Post Office Address <b>72 Sarah Bishop Road, Ridgefield, CT 06877</b>	

Full name of second inventor, if any <b>Minakshisundaran B. Anand</b>	Date
Second inventor's signature <i>M.B. Anand</i>	<i>12/21/2001</i>
Residence <b>19264 Circle Gate Dr. #102, Germantown, MD 20874</b>	
Citizenship <b>India</b>	
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Third inventor's signature	
Residence <b>6577 Springpath Lane, San Jose, CA 95120</b>	
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Residence <b>118 Roosevelt Drive, Poughquag, NY 12570</b>	
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Citizenship <b>USA</b>	
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Full name of second inventor, if any <b>Minakshisundaran B. Anand</b>	/
Second inventor's signature	Date
Residence <b>19264 Circle Gate Dr. #102, Germantown, MD 20874</b>	
Citizenship <b>India</b>	
Post Office Address <b>19264 Circle Gate Dr. #102, Germantown, MD 20874</b>	

Full name of third inventor, if any

**Michael D. Armacost**

Third inventor's signature

*Michael D. Armacost*

Date

*1/9/02*

Residence

**6577 Springpath Lane, San Jose, CA 95120**

Citizenship

**USA**

Post Office Address

**6577 Springpath Lane, San Jose, CA 95120**5001 PTO-9825-001  
1024

Full name of fourth inventor, if any

**Shyng-Tsong Chen**

Fourth inventor's signature

Date

Residence

**111 Cornwall Meadows, Patterson, NY 12563**

Citizenship

**USA**

Post Office Address

**111 Cornwall Meadows, Patterson, NY 12563**

Full name of fifth inventor, if any

**Stephen M. Gates**

Fifth inventor's signature

Date

Residence

**22 Inningwood Road, Ossining, NY 10562**

Citizenship

**USA**

Post Office Address

**22 Inningwood Road, Ossining, NY 10562**

Full name of sixth inventor, if any

**Stephen E. Greco**

Sixth inventor's signature

Date

Residence

**77 Harden Drive, LaGrangeville, NY 12540**

Citizenship

**USA**

Post Office Address

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Seventh inventor's signature 	Date
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Post Office Address <b>152 Monitor Street, Apt. 3L, Brooklyn, NY 11222</b>	

Full name of eighth inventor, if <b>Satyana<sup>r</sup>ayana V. Nitta</b>	/	
Eighth inventor's signature		Date
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Citizenship <b>India</b>		
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 Steven Capella, Registration No. 33,086;  
 Susan M. Murray, Registration No. 38,252;  
 Daryl K. Neff, Registration No. 38,253;  
 Eric W. Petraske, Registration No. 28,459;  
 William P. Skladony, Registration No. 33,787;  
 H. Daniel Schnurmann, Registration No. 35,791;  
 Tiffany L. Townsend, Registration No. 43,199;  
 Margaret A. Pepper, Registration No. 45,008

Jesse L. Abzug, Registration No. 31,316  
 Eugene I. Shkurko, Registration No. 36,678  
 Harold Huberfeld, Registration No. 26,665  
 Todd M. C. Li, Registration No. 45,554  
 all of INTERNATIONAL BUSINESS MACHINES  
 CORPORATION;  
 John E. Hoel, Registration No. 26,279  
 Christopher A. Hughes, Registration No. 26,914  
 Edward A. Pennington, Registration No. 32,588  
 Joseph C. Redmond, Jr., Registration No. 18,753  
 all of MORGAN & FINNEGAN, L.L.P.

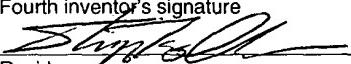
Send Correspondence to: **Jay H. Anderson**  
 IBM Corporation - Zip 482  
 2070 Route 52  
 Hopewell Junction, NY 12533

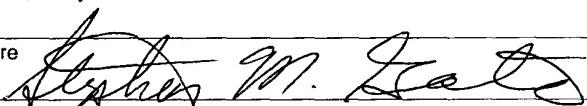
Direct Telephone Calls to: (*name and telephone number*)  
**Jay H. Anderson, Reg. No. 38,371, (845)894-3667**

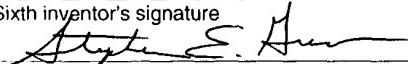
Full name of sole or first inventor <b>Timothy J. Dalton</b>	Date
Sole or first inventor's signature	
Residence <b>72 Sarah Bishop Road, Ridgefield, CT 06877</b>	
Citizenship <b>USA</b>	
Post Office Address <b>72 Sarah Bishop Road, Ridgefield, CT 06877</b>	

Full name of second inventor, if any <b>Minakshisundaran B. Anand</b>	Date
Second inventor's signature	
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Citizenship <b>India</b>	
Post Office Address <b>19264 Circle Gate Dr. #102, Germantown, MD 20874</b>	

Full name of third inventor, if any <b>Michael D. Armacost</b>	Date
Third inventor's signature	
Residence <b>6577 Springpath Lane, San Jose, CA 95120</b>	
Citizenship <b>USA</b>	
Post Office Address <b>6577 Springpath Lane, San Jose, CA 95120</b>	

Full name of fourth inventor, if any <b>Shyng-Tsong Chen</b>	Date
Fourth inventor's signature 	<i>12/09/2001</i>
Residence <b>111 Cornwall Meadows, Patterson, NY 12563</b>	
Citizenship <b>USA</b>	
Post Office Address <b>111 Cornwall Meadows, Patterson, NY 12563</b>	

Full name of fifth inventor, if any <b>Stephen M. Gates</b>	Date
Fifth inventor's signature 	<i>12/10/01</i>
Residence <b>22 Inningwood Road, Ossining, NY 10562</b>	
Citizenship <b>USA</b>	
Post Office Address <b>22 Inningwood Road, Ossining, NY 10562</b>	

Full name of sixth inventor, if any <b>Stephen E. Greco</b>	Date
Sixth inventor's signature 	<i>12-13-01</i>
Residence <b>77 Harden Drive, LaGrangeville, NY 12540</b>	
Citizenship <b>USA</b>	
Post Office Address <b>77 Harden Drive, LaGrangeville, NY 12540</b>	

Full name of seventh inventor, if any  
**Simon M. Karecki (deceased), by Anna Karecki (administratrix)**

Seventh inventor's signature

Date

Residence  
**152 Monitor Street, Apt. 3L, Brooklyn, NY 11222**

Citizenship  
**USA**

Post Office Address  
**152 Monitor Street, Apt. 3L, Brooklyn, NY 11222**

Full name of eighth inventor, if any  
**Satyanarayana V. Nitta**

Eighth inventor's signature

Date  
*12/11/01*

Residence  
**118 Roosevelt Drive, Poughquag, NY 12570**

Citizenship  
**India**

Post Office Address  
**118 Roosevelt Drive, Poughquag, NY 12570**

Full name of ninth inventor, if any

Ninth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of tenth inventor, if any

Tenth inventor's signature

Date

Residence

Citizenship

Post Office Address

Form PTO-SB-01 (6-95) (Modified)

Docket No.  
FIS9-2001-0168US1

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**FINE-PITCH DEVICE LITHOGRAPHY USING A SACRIFICIAL HARMDASK**

the specification of which

(check one)

is attached hereto.

was filed on \_\_\_\_\_ as United States Application No. or PCT International

Application Number \_\_\_\_\_

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

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(Application Serial No.)

(Filing Date)

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(Application Serial No.)

(Filing Date)

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(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

---

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

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(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

---

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*list name and registration number*)

Joseph P. Abate, Registration No. 30,328;  
 Jay H. Anderson, Registration No. 38,371;  
 Ira D. Blecker, Registration No. 29,894;  
 Steven Capella, Registration No. 33,086;  
 Susan M. Murray, Registration No. 38,252;  
 Daryl K. Neff, Registration No. 38,253;  
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Third inventor's signature	
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Citizenship <b>USA</b>	
Post Office Address <b>6577 Springpath Lane, San Jose, CA 95120</b>	

Full name of fourth inventor, if any <b>Shyng-Tsong Chen</b>	Date
Fourth inventor's signature	
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Citizenship <b>USA</b>	
Post Office Address <b>111 Cornwall Meadows, Patterson, NY 12563</b>	

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Citizenship <b>USA</b>	
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Full name of sixth inventor, if any <b>Stephen E. Greco</b>	Date
Sixth inventor's signature	
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Citizenship <b>USA</b>	
Post Office Address <b>77 Harden Drive, LaGrangeville, NY 12540</b>	

Full name of seventh inventor, if any <b>Simon M. Karczki (deceased), by Anna Karczki (administratrix)</b>	<i>Anna Karczki</i> Date <b>12/12/01</b>
Seventh inventor's signature	
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Citizenship <b>USA POLAND</b>	
Post Office Address <b>152 Monitor Street, Apt. 3L, Brooklyn, NY 11222</b>	

Full name of eighth inventor, if any <b>Satyana Rayana V. Nitta</b>	Date
Eighth inventor's signature	
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Citizenship <b>India</b>	
Post Office Address <b>118 Roosevelt Drive, Poughquag, NY 12570</b>	

Full name of ninth inventor, if any	
Ninth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of tenth inventor, if any	
Tenth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	